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PTO/SB/21 (04-07)

Approved for use through 09/30/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/708,620
		Filing Date	03/16/2004
		First Named Inventor	Hung-De Chen
		Art Unit	2825
		Examiner Name	MALSAWMA, LALRINFAMKIM HMAR
Total Number of Pages in This Submission	6	Attorney Docket Number	QDIP0005USA

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. PTO/SB/44 2. A copy of the front page of patent
<input type="text"/> Remarks Request for Certificate of Correction under 37 CFR 1.323		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	North America Intellectual Property Corporation	JUL 25 2007
Signature	<i>Winston Hsu</i>	
Printed name	Winston Hsu	
Date	JUL 20 2007	Reg. No. 41,526

Certificate

of Correction

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Josefina Wang</i>		
Typed or printed name	Josefina Wang	Date	JUL 20 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 6,869,833 B1
Appl. No. : 10/708,620
Inventor : Hung-De Chen
Examiner : MALSAYMA, LALRINFAMKIM HMAR
Docket No.: QDIP0005USA

Issue Date : 03/22/2005

Filing Date : 03/16/2004

**Title: METHOD OF MANUFACTURING A THIN FILM TRANSISTOR OF A
LIQUID CRYSTAL DISPLAY**

To: The Certificate of Correction Branch
Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Subject: Request for Certificate of Correction

Dear Sir,

The applicant recently found that the residence of the inventor listed on the front page of the above-identified Patent is incorrect (Attachment 1). The erroneous residence “Fu-Chien (CN)” was provided on the Application Data Sheet while filing the above-identified patent on 03/16/2004. Failure to provide the correct residence of the first inventor on the Application Data Sheet was inadvertent.

The applicant hereby requests that a Certificate of Correction be issued under 37 CFR 1.323 and submits the fee \$100.00 set forth in 37 CFR 1.20(a) herewith. Please correct the residence of the first inventor from “Fu-Chien (CN)” to “Kinmen County (TW)”. Thank you.

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1/24/2017 CN:UYEN2 88800827 503105
01 FC:1811 100.00 DA

Sincerely yours,

Winston Hsu

Date: JUL 20 2007

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)



PTO/SB/17 (07-07)

Approved for use through 06/30/2010. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2007

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 100.00)

Complete if Known

Application Number	10/708,620
Filing Date	03/16/2004
First Named Inventor	Hung-De Chen
Examiner Name	MALSAWMA, LALRINFAMKIM HMAR
Art Unit	2825
Attorney Docket No.	QDIP0005USA

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____
 Deposit Account Deposit Account Number: **50-3105** Deposit Account Name: North America Intellectual Property Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
 Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fees Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Small Entity

Fee (\$) Fee (\$)

50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

Total Claims

Extra Claims

Fee (\$)

Fee Paid (\$)

Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

- 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims

Extra Claims

Fee (\$)

Fee Paid (\$)

Fee (\$)

Fee Paid (\$)

- 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge): Request for Certificate of Correction

100

SUBMITTED BY

Signature	<i>Winston Hsu</i>	Registration No. (Attorney/Agent)	41,526	Telephone	3027291562
Name (Print/Type)	Winston Hsu			Date	JUL 20 2007

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 6,869,833 B1

APPLICATION NO.: 10/708620

ISSUE DATE : Mar. 22, 2005

INVENTOR(S) : Hung-De Chen

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page, Item (75), Inventors,

the residence should be corrected from "Fu-Chien (CN)" to --Kinmen County (TW) --

MAILING ADDRESS OF SENDER (Please do not use customer number below):

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JUL 3rd 2007

Attachment 1

Please correct the residence of the inventor from
→ "Fu-Chien (CN)" to "Kinmen County (TW)"



US006869833B1

(12) United States Patent Chen

(10) Patent No.: US 6,869,833 B1
(45) Date of Patent: Mar. 22, 2005

(54) **METHOD OF MANUFACTURING A THIN FILM TRANSISTOR OF A LIQUID CRYSTAL DISPLAY**

(75) Inventor: Hung-De Chen, Fu-Chien (CN)

(73) Assignee: Quanta Display Inc., Tao-Yuan Hsien (TW)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 10/708,620

(22) Filed: Mar. 16, 2004

(51) Int. Cl. 7

H01L 21/00

(52) U.S. Cl. 438/158; 438/151; 438/30

(58) Field of Search 438/30, 151, 158,
438/609

(56) **References Cited**

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2002/0019082 A1 * 2/2002 Wong 438/149

* cited by examiner

Primary Examiner—Matthew Smith

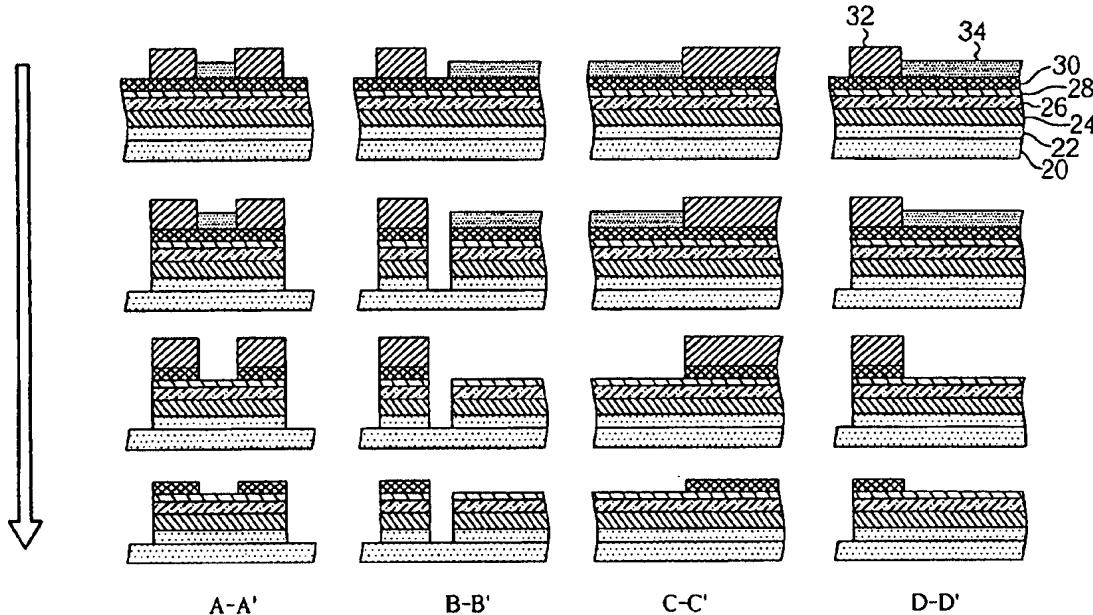
Assistant Examiner—Lex H. Malsawma

(74) Attorney, Agent, or Firm—Winston Hsu

(57) **ABSTRACT**

A method for fabricating a TFT having the steps of providing a substrate; sequentially depositing a transparent conductive layer, a first metal layer, a first insulating layer, a semiconductor layer, and a second metal layer on the substrate; performing a first photo-etching-process (PEP) to remove portions of the deposited layers to form a source electrode and a drain electrode and define a channel region, the first PEP includes a first halftone photolithograph process; depositing a second insulating layer and performing a second PEP to form a plurality of contact holes; and depositing a third metal layer and performing a third PEP to remove portions of the third metal layer.

19 Claims, 9 Drawing Sheets



7JUL 31 2007